

Proposed Temporary Warehouse (Excluding Dangerous Goods Godown) with Ancillary Facilities and Associated Filling of Land for a Period of 3 Years in "Agriculture", "Government, Institution or Community", and "Open Storage" Zones and area shown as 'Road', Various Lots in D.D. 89 and Adjoining Government Land, Fu Tei Au, Sheung Shui, New Territories

Appendix II

Fire Service Installations Proposal

FS NOTES:

1. AUTOMATIC SPRINKLER SYSTEM

- 1.1 AUTOMATIC SPRINKLER SYSTEM SUPPLIED BY A 135,000L SPRINKLER WATER TANK AND HAZARD CLASS OH3 SHALL BE PROVIDED TO THE ENTIRE BUILDING/ STRUCTURE IN ACCORDANCE WITH LPC RULES INCORPORATING BS EN12845: 2015 AND FSD CIRCULAR LETTER 5/2020. THE SPRINKLER TANK, SPRINKLER PUMP ROOM, SPRINKLER INLET AND SPRINKLER CONTROL VALVE GROUP SHALL BE CLEARLY MARKED ON PLANS.
- 1.2 THE CLASSIFICATION OF THE AUTOMATIC SPRINKLER INSTALLATION TO BE ORDINARY HAZARD GROUP II.
- 1.3 ONE NUMBER 135,000 LITRES SPRINKLER WATER TANK TO BE PROVIDED AS INDICATED ON PLANS.
- 1.4 SPRINKLER CONTROL VALVE SET AND SPRINKLER INLET TO BE PROVIDED AS INDICATED ON PLANS.
- 1.5 SECONDARY ELECTRICITY SUPPLY DIRECTLY TEE OFF BEFORE CLP'S INCOMING MAIN SWITCH SHALL BE PROVIDED FOR THE FH/HR PUMPS.
- 1.5 TYPE OF STORAGE METHOD FOR THE BUILDING IS AS FOLLOWS:
- (A) TYPE OF STORAGE: POST-PALLET (ST2)
- (B) STORAGE CATEGORY: CATEGORY (I)
- (C) STORAGE HEIGHT: NOT EXCEEDING 3.5 m
- (D) STORAGE: ST1
- (E) MAXIMUM STORAGE AREAS SHALL BE 50 m² FOR SINGLE BLOCK
- (F) MINIMUM CLEARANCE AROUND EACH SINGLE STORAGE BLOCK: 2.4 m

2. FIRE DETECTOR SYSTEM

- 2.1 THE STANDALONE FIRE DETECTOR SHALL BE PROVIDED IN ACCORDANCE WITH THE STAND-ALONE FIRE DETECTOR GENERAL GUIDELINES ON PURCHASE, INSTALLATION AND MAINTENANCE [SEP 2021].
- 2.2 IN RELATION TO 1) ABOVE, WHERE TWO OR MORE STAND-ALONE FIRE DETECTORS ARE INSTALLED IN AN ENCLOSED STRUCTURE, ALL STAND-ALONE DETECTORS SHALL BE INTERCONNECTED (EITHER WIRED OR WIRELESSLY) SUCH THAT WHEN ONE OF THE STAND-ALONE FIRE DETECTOR IS TRIGGERED, ALL CONNECTED STAND-ALONE FIRE DETECTORS SHALL SOUND AN ALARM SIMULTANEOUSLY.

3. EMERGENCY LIGHTING

- 3.1 SUFFICIENT EMERGENCY LIGHTING SHALL BE PROVIDED THROUGHOUT THE ENTIRE BUILDINGS/STRUCTURES IN ACCORDANCE WITH BS 5266-1:2016, BS EN 1838:2013 AND FSD CIRCULAR LETTER NO. 4/2021

4. DIRECTIONAL AND EXIT SIGN

- 4.1 SUFFICIENT DIRECTIONAL AND EXIT SIGN SHALL BE PROVIDED IN ACCORDANCE WITH BS 5266-1:2016 AND FSD CIRCULAR LETTER NO. 5/2008.

5. MISCELLANEOUS F.S. INSTALLATION

- 5.1 PORTABLE FIRE EXTINGUISHER WITH SPECIFIED TYPE AND CAPACITY TO BE PROVIDED AT LOCATIONS AS INDICATED ON PLANS.
- 5.2 NO EMERGENCY GENERATOR TO BE PROVIDED FOR SERVING THE EMERGENCY POWER. DUPLICATED POWER SUPPLIES FOR ALL FIRE SERVICES INSTALLATIONS COMPRISING A CABLE CONNECTED FROM ELECTRICITY MAINS DIRECTLY BEFORE THE MAIN SWITCH.
- 5.3 WHEN A VENTILATION/ AIR CONDITIONING CONTROL SYSTEM TO A BUILDING IS PROVIDED, IT SHALL STOP MECHANICALLY INDUCED AIR MOVEMENT WITHIN A DESIGNATED FIRE COMPARTMENT.
- 5.4 NO DYNAMIC SMOKE EXTRACTION SYSTEM SHALL BE PROVIDED SINCE FIRE COMPARTMENT NOT EXCEEDING 7000 CUBIC METRES AND THE AGGREGATE AREA OF OPENABLE WINDOWS OF THE RESPECTIVE COMPARTMENT EXCEEDS 6.25% OF THE FLOOR AREA OF THAT COMPARTMENT.
- 5.5 ACCESS IS PROVIDED FOR EMERGENCY VEHICLE TO REACH 30m OF ALL PART OF STRUCTURES.

1/F

G/F

ELEVATION A-A

ELEVATION B-B

1/F

G/F

ELEVATION C-C

ELEVATION D-D

ELEVATION E-E

| OPENABLE WINDOW AREA CALCULAION UNDER F.S.D. REQUIREMENT FOR COMPARTMENT EXCEEDING 7000m³ | |
|---|---|
| LOCATION | G/F OF STRUCTURES B1 |
| GFA | 8,408 m² |
| OPENABLE WINDOW AREA REQUIRED | 8,408 m² X 6.25% = 525.5 m² |
| OPEN-ABLE WINDOW AREA PROVIDED AT G/F OF STRUCTURE B1 | REFER TO ELEVATION - (A-A) = 168 m² REFER TO ELEVATION - (B-B) = 22 m² REFER TO ELEVATION - (C-C) = 90 m² REFER TO ELEVATION - (D-D) = 132 m² REFER TO ELEVATION - (E-E) = 130 m² |
| | TOTAL = 542 m² > 525.5 m² |

| OPENABLE WINDOW AREA CALCULAION UNDER F.S.D. REQUIREMENT FOR COMPARTMENT EXCEEDING 7000m³ | |
|---|---|
| LOCATION | 1/F OF STRUCTURES B1 |
| GFA | 8,408 m² |
| OPENABLE WINDOW AREA REQUIRED | 8,408 m² X 6.25% = 525.5 m² |
| OPEN-ABLE WINDOW AREA PROVIDED AT 1/F OF STRUCTURE B1 | REFER TO ELEVATION - (A-A) = 168 m² REFER TO ELEVATION - (B-B) = 22 m² REFER TO ELEVATION - (C-C) = 90 m² REFER TO ELEVATION - (D-D) = 132 m² REFER TO ELEVATION - (E-E) = 130 m² |
| | TOTAL = 542 m² > 525.5 m² |

PROJECT

PROPOSED WAREHOUSE (EXCLUDING DANGEROUS GOODS GODOWN) WITH ANCILLARY FACILITIES AND ASSOCIATED FILLING OF LAND FOR A PERIOD OF 3 YEARS

TEMPORARY (EXCLUDING GOVERNMENT LAND, FU TEI AU, SHEUNG SHUI, NEW TERRITORIES)

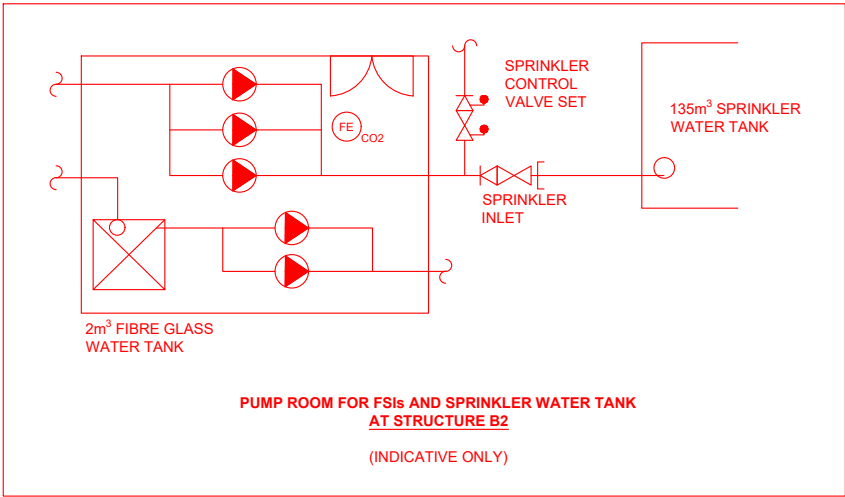
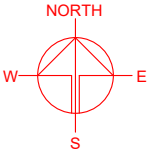
SITE LOCATION

VARIOUS LOTS IN D.D. 89 AND ADJOINING GOVERNMENT LAND, FU TEI AU, SHEUNG SHUI, NEW TERRITORIES

| | | |
|---------------------|------------|--|
| SCALE | | |
| 1 : 500 @ A3 | | |
| DRAWN BY | DATE | |
| MN | 15.10.2025 | |
| CHECKED BY | DATE | |
| APPROVED BY | DATE | |
| DWG. TITLE | | |
| FSIs PROPOSAL (1/2) | | |
| DWG NO. | VER. | |
| APPENDIX II | 001 | |

| DEVELOPMENT PARAMETERS | | |
|------------------------|-------------------------|---------|
| APPLICATION SITE AREA | : 15,724 m ² | (ABOUT) |
| COVERED AREA | : 8,624 m ² | (ABOUT) |
| UNCOVERED AREA | : 7,100 m ² | (ABOUT) |
| PLOT RATIO | : 1.1 | (ABOUT) |
| SITE COVERAGE | : 55% | (ABOUT) |
| NO. OF STRUCTURE | : 3 | |
| DOMESTIC GFA | : NOT APPLICABLE | |
| NON-DOMESTIC GFA | : 17,248 m ² | (ABOUT) |
| TOTAL GFA | : 17,248 m ² | (ABOUT) |
| BUILDING HEIGHT | : 7 m - 13 m | (ABOUT) |
| NO. OF STOREY | : 2 | |

| STRUCTURE | USE | COVERED AREA | GFA | BUILDING HEIGHT |
|----------------------------------|---|------------------------------|-------------------------------|------------------------|
| B1 | WAREHOUSE (EXCLUDING D.G.G.) AND FIRE SERVICE INSTALLATIONS | 8,408 m ² (ABOUT) | 16,816 m ² (ABOUT) | 13 m (ABOUT)(2-STOREY) |
| B2 | SITE OFFICE AND WASHROOM | 108 m ² (ABOUT) | 216 m ² (ABOUT) | 7 m (ABOUT)(2-STOREY) |
| B3 | SITE OFFICE AND WASHROOM | 108 m ² (ABOUT) | 216 m ² (ABOUT) | 7 m (ABOUT)(2-STOREY) |
| TOTAL | | 8,624 m ² (ABOUT) | 17,248 m ² (ABOUT) | |
| *D.G.G. - DANGEROUS GOODS GODOWN | | | | |



FIRE SERVICE INSTALLATION

| | | | |
|--|---|--|-----------------------------|
| | HOSE REEL | | GATE VALVE |
| | EMERGENCY LIGHT | | SPRINKLER INLET |
| | EXIT SIGN | | SPRINKLER CONTROL VALVE SET |
| | STAND-ALONE BATTERY TYPE SMOKE DETECTOR | | PUMP SET |
| | 5KG CO2 FIRE EXTINGUISHER | | NON-RETURN VALVE |
| | 10 KG WHEELED TYPE DRY CHEMICAL FIRE EXTINGUISHER | | |

LEGEND

| | |
|--|----------------------|
| | APPLICATION SITE |
| | STRUCTURE (ENCLOSED) |
| | PARKING SPACE (PC) |
| | L/U/L SPACE (MGV) |
| | L/U/L SPACE (CV) |
| | INGRESS / EGRESS |

PROJECT
PROPOSED WAREHOUSE (EXCLUDING DANGEROUS GOODS GODOWN) WITH ANCILLARY FACILITIES AND ASSOCIATED FILLING OF LAND FOR A PERIOD OF 3 YEARS

SITE LOCATION
VARIOUS LOTS IN D.D. 89 AND ADJOINING GOVERNMENT LAND, FU TEI AU, SHEUNG SHUI, NEW TERRITORIES

| | |
|-----------------------------------|--------------------|
| SCALE 1 : 800 @ A3 | |
| DRAWN BY MN | DATE 15.10.2025 |
| CHECKED BY | DATE |
| APPROVED BY | DATE |
| DWG. TITLE FSIs PROPOSAL (2/2) | |
| DWG. NO. APPENDIX II | VER. 001 |